

Title (en)

Flue gas desulfurization apparatus, flue gas processing apparatus

Title (de)

Vorrichtung zur Rauchgasentschwefelung und Vorrichtung zur Rauchgasaufbereitung

Title (fr)

Appareil de désulfurisation du gaz combustible, appareil de traitement du gaz combustible

Publication

EP 1849514 A2 20071031 (EN)

Application

EP 07111992 A 20021016

Priority

- EP 02801579 A 20021016
- JP 2001318813 A 20011017
- JP 2001330280 A 20011029
- JP 2001349809 A 20011115
- JP 2001349810 A 20011115
- JP 2001368194 A 20011203

Abstract (en)

A flue gas desulfurization apparatus comprising a plurality of catalyst stages provided in the apparatus in the form of a tower through which a discharge gas containing sulfur oxide passes, and water-supplying means for supplying water for producing sulfuric acid to the catalysts. Each catalyst stage is formed of at least one activated carbon fiber board, and the water-supplying means is provided above the uppermost catalyst stage and in the apparatus in the form of a tower.

IPC 8 full level

B01D 53/00 (2006.01); **B01D 53/50** (2006.01); **B01D 53/86** (2006.01); **B01J 19/24** (2006.01); **B01J 19/26** (2006.01); **B01J 19/32** (2006.01); **B01J 21/18** (2006.01); **B01J 35/06** (2006.01)

CPC (source: EP KR US)

B01D 53/504 (2013.01 - EP US); **B01D 53/86** (2013.01 - KR); **B01D 53/8609** (2013.01 - EP US); **B01J 19/249** (2013.01 - EP US); **B01J 19/26** (2013.01 - EP US); **B01J 19/32** (2013.01 - EP US); **B01J 21/18** (2013.01 - EP US); **B01J 35/58** (2024.01 - EP US); **B01J 2219/00006** (2013.01 - EP US); **B01J 2219/2453** (2013.01 - EP US); **B01J 2219/2458** (2013.01 - EP US); **B01J 2219/2459** (2013.01 - EP US); **B01J 2219/247** (2013.01 - EP US); **B01J 2219/2483** (2013.01 - EP US); **B01J 2219/2496** (2013.01 - EP US); **B01J 2219/32206** (2013.01 - EP US); **B01J 2219/3221** (2013.01 - EP US); **B01J 2219/32213** (2013.01 - EP US); **B01J 2219/32227** (2013.01 - EP US); **B01J 2219/32268** (2013.01 - EP US); **B01J 2219/32275** (2013.01 - EP US); **B01J 2219/32433** (2013.01 - EP US); **B01J 2219/32466** (2013.01 - EP US); **B01J 2219/32491** (2013.01 - EP US); **B32B 2315/02** (2013.01 - EP US); **C04B 2237/385** (2013.01 - EP US)

Cited by

CN103977671A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

US 2004096390 A1 20040520; **US 6946108 B2 20050920**; AT E457812 T1 20100315; CA 2438355 A1 20030424; CN 1256172 C 20060517; CN 1499999 A 20040526; DE 60235390 D1 20100401; EP 1437170 A1 20040714; EP 1437170 A4 20060809; EP 1437170 A8 20050126; EP 1437170 B1 20100217; EP 1834689 A2 20070919; EP 1834689 A3 20071205; EP 1849514 A2 20071031; EP 1849514 A3 20071205; EP 1849515 A2 20071031; EP 1849515 A3 20071205; EP 1862211 A1 20071205; KR 100552533 B1 20060214; KR 20040022415 A 20040312; US 2005025679 A1 20050203; US 2005025689 A1 20050203; US 7335340 B2 20080226; WO 03033117 A1 20030424

DOCDB simple family (application)

US 46905403 A 20030826; AT 02801579 T 20021016; CA 2438355 A 20021016; CN 02807664 A 20021016; DE 60235390 T 20021016; EP 02801579 A 20021016; EP 07111992 A 20021016; EP 07111995 A 20021016; EP 07112001 A 20021016; EP 07112002 A 20021016; JP 0210739 W 20021016; KR 20037012631 A 20030926; US 92728004 A 20040827; US 92747104 A 20040827